VIAsecurechain

The first and only U.S. Department of Defense cybersecurity accredited blockchain

VIA has more than five years experience in blockchain and related Web3 technologies. Through the U.S. Air Force Platform One program, VIAsecurechain has become the first and only blockchain with U.S. Department of Defense cybersecurity accreditation for IL-2 to top secret level workflows. VIA has 10+ issued patents in the past 2 years related to data privacy and VIAsecurechain.

VIAsecurechain details at a glance

Consensus Mechanism

Consortium, voting-based consensus mechanism (i.e., no tokens)

IAM and RBAC

Native integration with Keycloak for Identity and Access Management role-based access control

Database

MongoDB, a distributed database, allows data sharding and supports Merkle trees natively

Smart Contracts

Using a VIA node, smart contracts, foreign data wrappers, and a variety of other privacy-preserving functions are supported

Hashing

Quantum-resistant, NSA-recommended, SHA-384 data hashing for fingerprinting digital assets

Zero-Trust Architecture

Istio to perform user authentication in the service mesh, and Mutual TLS to authenticate communication within the service mesh between services

Transparency

Full transparency through monitoring and runtime telemetry (Grafana, Prometheus, Jaeger, Kibana)

Deployment

Kubernetes cloud default with on premise deployment available

"We're excited to welcome VIA onto Platform One, especially as AI and data privacy technologies remain among the DoD's highest priority technologies."

USAF Chief Software Officer and Co-lead of the DoD's Enterprise DevSecOps Initiative

Want to learn more?

Scan the QR code to visit our website: www.solvewithvia.com

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